| Inde | x of (| Claims | |
|------|--------|--------|--|
| | | | |

| Application No. | Applicant(s) | |
|-----------------|----------------|----|
| 09/856,543 | HARTWICH ET AL | L. |
| Examiner | Art Unit | |
| Jezia Riley | 1637 | |

| 4 | Rejected |
|---|----------|
| = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| CI | aim | Г | | | Dat | e | | CI | aim | Т | | D | ate | | | 7 3 | ÇI | aim | | | | Date | • | | _ |
|------|----------|----------|-------------|---------|---------|----------------|----------------|-------|----------|----------|--------|----------|---------------|-------------|---------|------|-------|----------|---------------|------------------|----------|------|--------|-----------|---|
| | T- | 1 | . 1 | Т | Ť | ŤΤ | | - J | 1 | 1 | TT | ΤŤ | Ť | TT | 1 | | | | T | τ | Τ. | | | 1 | _ |
| -Ina | Original | 12/28/03 | 2002 | | | | | Final | Original | 10/08/03 | | | | | | | Final | Original | | | | | | ı | i |
| | 1 | ٠ | + | + | + | ++ | | | 51 | ١, | ++ | \vdash | - | ++ | +- | 10 | | 101 | + | +- | ⊢ | Н | H | ┪ | - |
| - | 2 | ┢ | ++ | + | + | +- | +- | | 52 | Ť | 1 | \vdash | | ++ | +- | 10 | | 102 | _ | + | + | | М | 7 | |
| - | 3 | t | ++ | + | + | \vdash | 1 | | 53 | t | # | \vdash | _ | + | +- | | | 103 | 1 | + | 1 | | | 7 | _ |
| _ | 4 | t | \vdash | \top | + | + | | | 54 | T | | | | | 1- | | | 104 | | + | Т | | П | 7 | _ |
| _ | 5 | t | ++ | + | + | t t- | 1 | 88. | 55 | Ħ | 11-1- | T | \top | tt | 1 | 119 | | 105 | \top | + | t | П | \Box | 7 | _ |
| _ | 6 | T | + | _ | + | | | | 56 | Ħ | | | | + | 1- | 10 | | 106 | | + | \top | | | \neg | _ |
| _ | 7 | t | \top | 1 | + | \vdash | 1-1- | | 57 | Ħ | | | _ | | | 1 5 | | 107 | | + | \vdash | | М | 7 | _ |
| _ | 8 | T | 11 | \top | \top | + | 1 | | 58 | t | 11-1- | \vdash | _ | + | \top | | | 108 | \vdash | ┪┈ | 1 | | \Box | 寸 | _ |
| _ | 9 | T | . 1 | \neg | _ | | | | 59 | T | 11-1- | П | \top | + | +- | | | 109 | | 1 | Т | | | T | _ |
| | 10 | T | 7 | 1 | \top | | | | 60 | 1 | | | \neg | 11 | | 110 | | 110 | | 1 | Т | | | 7 | _ |
| _ | 11 | 1 | \top | \top | 1 | - | | | 61 | T | | \Box | _ | | _ | 3/13 | | 111 | | 1 | | | \Box | | _ |
| _ | 12 | T | 11 | 7 | _ | | | | 62 | | | Ħ | _ | | 1 | | | 112 | | 1 | | | | | _ |
| | 13 | Г | $\neg \neg$ | \top | \top | \Box | | | 63 | Τ | HT | | \neg | TT | 1 | | | 113 | | T | Γ | | | 7 | _ |
| _ | 14 | T | 11 | \top | 7 | \Box | | | 64 | T | 11 | 1 1 | | | 1 | | | 114 | | 1 | Т | | | | _ |
| _ | 15 | Т | | 1 | | | TT | | 65 | T | | | | | | | | 115 | | | | | | | _ |
| _ | 16 | T | | 7 | T | | | 3.9 | 66 | | | | | | | 100 | | 116 | | I | | | | | _ |
| | 17 | 1 | | \top | 7 | | 17 | | 67 | П | | \Box | | TT | Т | 10 | | 117 | | 7 | П | | \Box | T | _ |
| | 18 | 1 | | 1 | 1 | | | | 68 | П | + | \Box | | TT | 1 | | _ | 118 | | 1 | | | | ╗ | _ |
| | 19 | T | \top | | 1 | | \top | | 69 | П | T = T | | | \top | | | | 119 | | \top | | | | 7 | _ |
| _ | 20 | 1 | \top | 7 | 7 | | 1 | | 70 | П | | T | | 1 | 1 | - 15 | | 120 | | 1 | Г | | | | _ |
| _ | 21 | T | | \neg | _ | \vdash | | | 71 | П | | Ħ | | $\top \top$ | | 10 | | 121 | \top | T | Г | | | | _ |
| | 22 | T | \top | | \top | \vdash | \top | | 72 | Π | | \top | | \sqcap | \top | -54 | | 122 | | _ | T | | П | 7 | _ |
| | 23 | T | \top | \neg | \neg | | | | 73 | Т | | \Box | T | \top | 1 | | | 123 | | T- | Г | | | T | _ |
| | 24 | T | | 7 | \top | t | 1 | | 74 | T | H = H | | | | \top | | _ | 124 | | 1 | 1 | | | ╮ | _ |
| | 25 | T | 11 | | 1 | | | | 75 | Т | | П | | | \top | 1 | | 125 | | T | Т | | П | | _ |
| | 26 | T | | ┪ | 1 | | | | 76 | T | | T | $\neg \vdash$ | | | | _ | 126 | \top | _ | | | П | \neg | |
| | 27 | T | | 1 | 1 | | | | 77 | | | | | | | | | 127 | - | | | | | T | _ |
| _ | 28 | T | | \top | 1 | | \vdash | 57 | 78 | T | | T | \top | | Τ. | 100 | _ | 128 | | | | | П | 7 | _ |
| _ | 29 | 1 | -17 | \top | 1 | | \Box | | 79 | T | | \Box | \top | T | \top | | | 129 | | \top | - | П | | \neg | _ |
| | 30 | П | | \neg | \neg | T | TT | | 80 | Т | | П | | T | Т | 100 | | 130 | | T- | Τ | | П | | _ |
| | 31 | Ħ | | 1 | 1 | | | | 81 | Т | | \Box | | \Box | \top | | | 131 | | 1 | Г | | | ╗ | Т |
| | 32 | Ħ | 77 | | \neg | | | | 82 | Т | 1 | T | | \sqcap | Т | -83 | | 132 | | _ | Г | П. | | T | Т |
| _ | 33 | Ħ | \top | _ | | | | | 83 | T | -11 | | Т | | | | | 133 | | | | | | 7 | _ |
| | 34 | П | | | | | | 5.55 | 84 | Т | ТТ | П | 7 | П | Т | | | 134 | | \top | Γ | | | П | Т |
| _ | 35 | | | \perp | | П | $\Gamma\Gamma$ | | 85 | Γ | | | | | I | | | 135 | $\Box \Gamma$ | L | | | | | |
| | 36 | I | | \perp | | | Π | | 86 | Ι | | | | \Box | | 11 | | 136 | | | Ĺ | | | | _ |
| | 37 | Γ | | \perp | | | TT | | 87 | Ι | | | | | | | | 137 | | | \Box | | | | |
| _ | 38 | Г | | I | | $\Gamma\Gamma$ | | | 88 | Γ | | | | | | | | 138 | | \Box | L^{-} | | | | _ |
| _ | 39 | Г | | | | | | | 89 | Γ | | 1 | T | | | . 1 | | 139 | | | Г | | | | _ |
| | 40 | Ľ | | | | | | | 90 | Ι | | | | | I | | | 140 | | I | | L. | | \Box | |
| Ξ | 41 | Γ | Ш | \perp | I | | | 2.4 | 91 | Γ | | | \perp | | | | | 141 | | I | | | | \Box | _ |
| Ξ | 42 | Γ | | I | | | | 2000 | 92 | L | | | I | | | | | 142 | | I | L | | | | _ |
| _ | 43 | | | \perp | | | | Sign | 93 | L | | | T | | | | | 143 | | | | | | \exists | _ |
| _ | 44 | Γ | | \perp | | | | | 94 | I | | | T | \Box | T | 100 | | 144 | | | | | | \Box | _ |
| | 45 | | | Ι | | | | | 95 | Γ | | | | | | | | 145 | | | | | | \exists | |
| | 46 | L | | | Ĺ | | | | 96 | L | \Box | | | | \perp | | | 146 | | \mathbf{I}^{-} | | | | | _ |
| _ | 47 | Г | | I | I | | | 100 | 97 | Ĺ | | ш | I | | | | | 147 | | | | | | | _ |
| _ | 48 | Γ | | \Box | I | | | | 98 | Γ | | | | | \Box | | | 148 | | \Box | L | | | I | _ |
| Ξ | 49 | Γ | | I | \perp | | | | 99 | Γ | | Ш | | | | 707 | | 149 | | T | | | | \Box | _ |
| | 50 | 1 | - I T | T | T | | 1 | | 100 | 1 | | 1 | Т | 1 | | | 1 | 150 | | Г | 1 | | | - [| |